



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application No: 09/601,644
Filing Date: 08/04/2000
First Named Inventor: Gariépy
Group Art Unit:
Examiner Name: Wallace, V.
Attorney Docket No.: MMC.P-001

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FOREIGN PATENT DOCUMENTS

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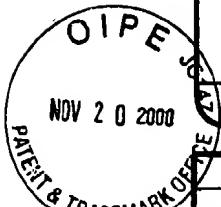
Examiner's Initials	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS
<i>MJY</i>	SKEHAN, PHILIP, et al., New Colorimetric Cytotoxicity Assay for Anticancer-Drug Screening, Articles, Vol. 82, No. 13, July 4, 1990, pp 1107-1112.
<i>MJY</i>	KUBOTA, M.D., TETSURO, et al., Colorimetric Chemosensitivity Testing Using Sulforhodamine B, Journal of Surgical Oncology 52:83-88 (1993).
<i>MJY</i>	DEGRANDIS, STEPHANIE, et al., Globotetraosylceramide Is Recognized by the Pig Edema Disease Toxin, The Journal of Biological Chemistry, Vol. 264, No. 21, July 26, 1989, pp. 12520-12525.
<i>MJY</i>	KEUSCH, GERALD T., ET AL., Globotriaosylceramide, Gb3, Is an Alternative Functional Receptor for Shiga-like Toxin 2e, Infection and Immunity, Mar. 1995, p. 1138-1141.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/601,644
(use as many sheets as necessary)				Filing Date	August 4, 2000
				First Named Inventor	Gariepy, tal
				Group Art Unit	
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ATTORNEY DOCKET NO. MMC.P-001
PATENT APPLICATION
November 16, 2000

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Application No. 09/601,644
Filing Date: August 4, 2000
First Named Inventor: Gariépy, et al
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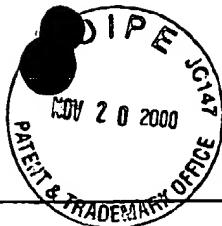
Page 2 of 6

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	
mg		T. IIDA ET AL.: "A single amino acid substitution of Escherichia coli enterotoxin affects its oligomer formation" J. BIOL. CHEM., vol. 265, no. 24, 25 August 1989, pages 14065-14070,
		C. CLARK ET AL.: "Phenylalanine 30 plays an important role in receptor binding of verotoxin-1" MOLECULAR MICROBIOL., vol. 19, no. 4, February 1996, pages 891-899.
		G.J. TYRELL ET AL.: "Alteration of the carbohydrate binding specificity of verotoxins from Gal(alpha)1-4Gal to GalNAc(beta)1-3Gal(alpha)1-4Gal and vice versa by site-directed mutagenesis of the binding subunit" PROC. NATL. ACAD. SCI., vol. 89, January 1992, pages 524-528.

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	J.D. MERMES ET AL.: "A reliable method for random mutagenesis: the generation of mutant libraries using spiked oligonucleotide primers" GENE, vol. 84, 1989, pages 143-151,	
	G. DEL RÍO ET AL.: "Combinatorial libraries of proteins: Analysis of efficiency of mutagenesis techniques" BIOTECHNIQUES, vol. 17, no. 6, 1994, pages 1132-1139,	
	A.A. KHINE AND C.A. LINGWOOD: "Capping and receptor-mediated endocytosis of cell-bound verotoxin (Shiga-like toxin) 1: Chemical identification of an amino acid in the B subunit necessary for efficient receptor glycolipid binding and cellular internalization" J. CELL PHYSIOL., vol. 161, no. 2, November 1994, pages 319-332,	
↓	P.-G. NYHOLM ET AL.: "Two distinct binding sites for globotriaosyl ceramide on verotoxins: identification by molecular modelling and confirmation using deoxy analogues and a new glycolipid receptor for all verotoxins" CHEMISTRY AND BIOLOGY, vol. 3, no. 4, April 1996, pages 263-275,	

11/22/04



		<p>L.P. PERERA ET AL.: "Identification of three amino acids residues in the B subunit of Shiga toxin and Shiga-like toxin type II that are essential for holotoxin activity" J. BACTERIOL., vol. 173, no. 3, February 1991, pages 1151-1160, XP002096325 AM. SOC. MICROBIOL., BALTIMORE, US; cited in the application see the whole document</p>	
		<p>D.J. BAST ET AL.: "Toxicity and immunogenecity of a verotoxin 1 mutant with reduced globotriaosylceramide receptor binding in rabbits" INFECTION AND IMMUNITY, vol. 65, no. 6, June 1997, pages 2019-2028, XP002096326 ASM, WASHINGTON, DC, US see the whole document</p>	
		<p>M.P. JACKSON ET AL.: "Functional analysis of the Shiga toxin and Shiga-like toxin type II variant binding site subunits by using site-directed mutagenesis" J. BACTERIOL., vol. 172, no. 2, February 1990, pages 653-658, XP002096328 AM. SOC. MICROBIOL., BALTIMORE, US; see the whole document</p>	
		<p>S.W. LINDGREN ET AL.: "The specific activities of Shiga-like toxin type II (SLT-II) and SLT-II related toxin of enterohemorrhagic Escherichia coli differ when measured by vero cell cytotoxicity but not by mouse lethality" INFECTION AND IMMUNITY, vol. 62, no. 2, February 1994, pages 623-631, XP002096327 ASM, WASHINGTON, DC, US see the whole document</p>	

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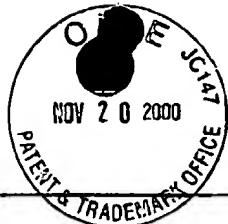
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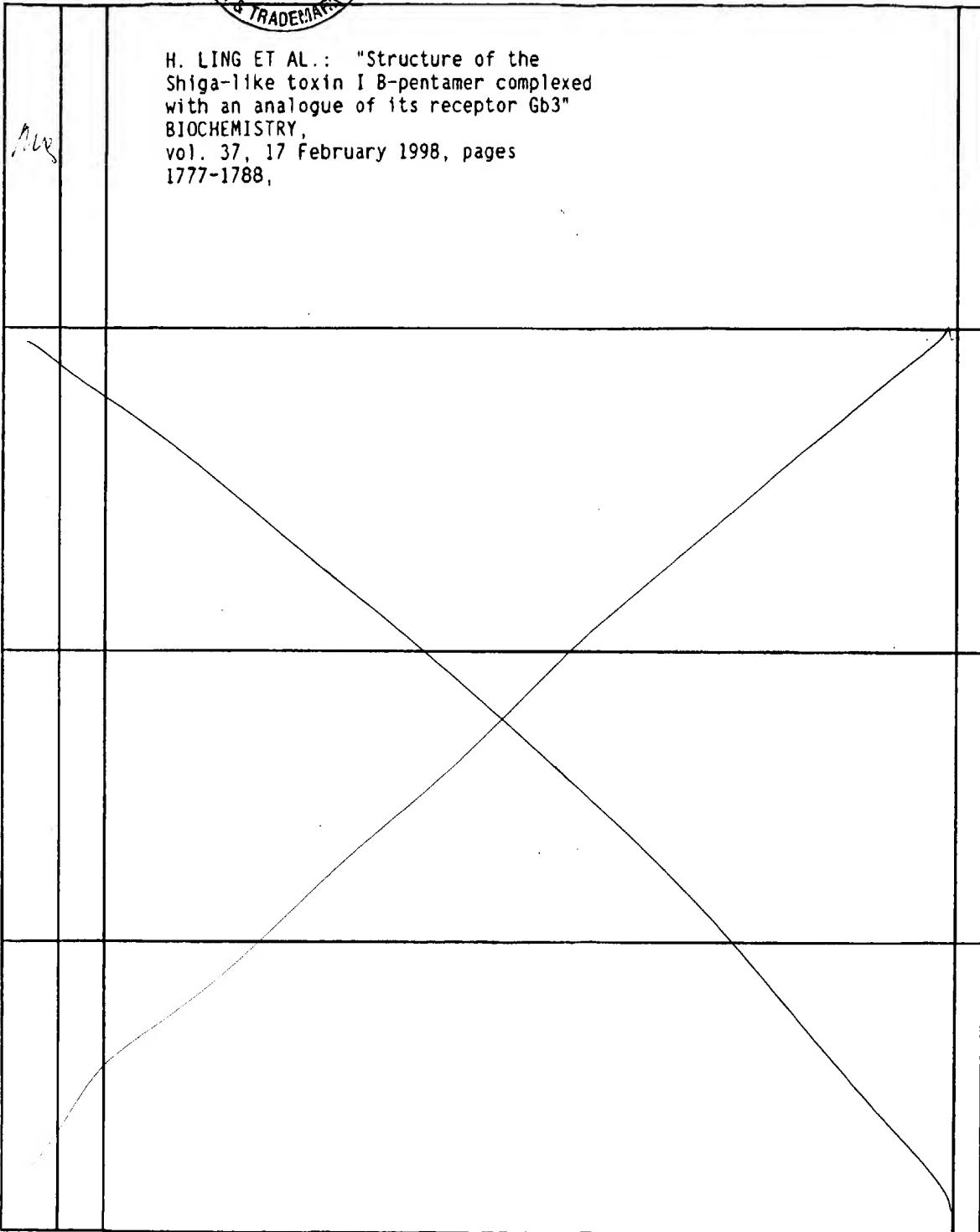
		<p>BRAY, M. R. ET AL: "Expression of the Shiga-like toxin I receptor CD77 on human breast carcinomas, follicular lymphomas and multiple myelomas and absence of expression on CD34+ human hematopoietic cells: Implications for tumor cell purging."</p> <p>PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, (MARCH, 1998) VOL. 39, PP. 63. MEETING INFO.: 89TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH NEW ORLEANS, LOUISIANA, USA MARCH 28-APRIL 1, 1998 AMERIC, XP002096336 Abstract no. 429;</p>
		<p>BRAY, M. R. ET AL: "Shiga-like toxin as a template for the development of anti-breast cancer agents."</p> <p>PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING, (MARCH, 1998) VOL. 39, PP. 62-63. MEETING INFO.: 89TH ANNUAL MEETING OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH NEW ORLEANS, LOUISIANA, USA MARCH 28-APRIL 1, 1998 AMERIC, XP002096335 Abstract no. 428;</p>
		<p>P.G. NYHOLM ET AL.: "Modelling of the interaction of verotoxin-1 (VT1) with its glycolipid receptor, globotriaosylceramide (Gb3)".</p> <p>INT. J. BIOL. MACROMOL., vol. 17, no. 3-4, June 1995, pages 199-204,</p>
		<p>P.E. STEIN ET AL.: "Crystal structure of the cell-binding B oligomer of verotoxin-1 from <i>E.coli</i>"</p> <p>NATURE, vol. 355, 20 February 1992, pages 748-750, XP002096334</p> <p>MACMILLAN JOURNALS LTD., LONDON, UK cited in the application see the whole document</p>

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Examiner's Initials Cite No.



H. LING ET AL.: "Structure of the
Shiga-like toxin I B-pentamer complexed
with an analogue of its receptor Gb3"
BIOCHEMISTRY,
vol. 37, 17 February 1998, pages
1777-1788,



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